

Substitute for Form 1449 A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

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|-------|---|----|----|------------------------|----------------------------|
| Sheet | 1 | of | 14 | Attorney Docket Number | 18085.105326 EMU 133 CON 5 |
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| Examiner Initials * | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pgs, Clmns, Lns, Where Relevant Passages/Relevant Figs Appear |
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| Examiner Signature | L. E. Crane |  | Date Considered | 01/02/2008 |
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Sheet

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14

| | | Complete if Known | |
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| | | Application Number | 10/759,985 |
| | | Filing Date | January 16, 2004 |
| | | First Named Inventor | Schinazi et al. |
| | | Group Art Unit | 1623 |
| | | Examiner Name | Crane, Lawrence E. |
| | | Attorney Docket Number | 18085.105326 EMU 133 CON 5 |

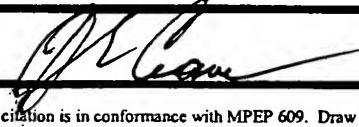
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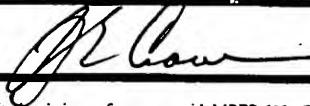
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| | | | | Examiner Name | Crane, Lawrence E. |
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| | | | | Examiner Name | Crane, Lawrence E. |
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| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
| | DK | Database WPI, Week 8748, Derwent Publications Ltd., London, GB; AN 87-338135 for JP 62-242624 A to Asahi Glass 10-23-1987; [98-338135], Abstract. | |
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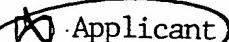
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| <i>L.E.C.</i> | EN | CHEN, Chin-Ho, <i>et al.</i> , "Delayed Cytotoxicity and Selective Loss of Mitochondrial DNA in Cells Treated with the Anti-Human Immunodeficiency Virus Compound 2',3'-Dideoxycytidine," <i>J. Biological Chemistry</i> , 264(20):11934-11937 (1989). | |

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| | | | | Application Number | 10/759,985 |
| | | | | Filing Date | January 16, 2004 |
| | | | | First Named Inventor | Schinazi <i>et al.</i> |
| | | | | Group Art Unit | 1623 |
| | | | | Examiner Name | Crane, Lawrence E. |
| Sheet | 6 | of | 14 | Attorney Docket Number | 18085.105326 EMU 133 CON 5 |

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|---------------------|-----------------------|--|--------|
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| | FC | CHOTTINGER, E.G., "Cloning and Expression of Human Deoxycytidine Kinase cDNA," <i>Proc. Natl. Acad. Sci. USA</i> , 88:1531-1535 (1991). | |
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|---------------------|-----------------------|--|--------|
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| Examiner Signature | L. E. Crane <i>[Signature]</i> | Date Considered | 01/02/2008 |
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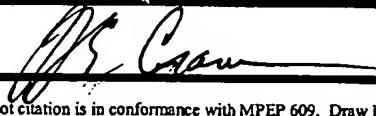
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| Sheet | 8 | of | 14 | Attorney Docket Number | 18085.105326 EMU 133 CON 5 |

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|---------------------|-----------------------|---|--------|
| | HA | HOARD and OTT, "Conversion of Mono-and Oligodeoxyribunucleotides to 5'-Triphosphates," <i>J. Am. Chem. Soc.</i> , 87(8):1785-1788 (April 20, 1965). | |
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| | HF | HORWITZ, J.P., <i>et al.</i> , "Nucleosides. VIII. Synthesis of 2',3'-Unsaturated Pyrimidine Nucleosides from Oxetane Derivatives," <i>Tetrahedron Letters</i> , 1964(38):2725-2727 (1964). | |
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| | HM | JEONG <i>et al.</i> , "Structure-Activity Relationships of .beta.-D-(2S,5R)-and .alpha.-D-(2S,5R)-1,3-Oxathiolanyl Nucleosides as Potential Anti-HIV Agents," <i>J. Med. Chem.</i> , 36(18), 2627-2638 (1993). | |
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| <i>MC</i> | IA | KIM <i>et al.</i> , "Asymmetric Synthesis of 1,3-Dioxolane-Pyrimidine Nucleosides and their Anti-HIV Activity," <i>J. Med. Chem.</i> , 35(11):1987-1995 (1992). | |
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| | | | | Filing Date | January 16, 2004 |
| | | | | First Named Inventor | Schinazi <i>et al.</i> |
| | | | | Group Art Unit | 1623 |
| | | | | Examiner Name | Crane, Lawrence E. |
| Sheet | 10 | of | 14 | Attorney Docket Number | 18085.105326 EMU 133 CON 5 |

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| | JA | MANSOUR <i>et al.</i> , "Anti-Human Immunodeficiency Virus and Anti-Hepatitis-B Virus Activities and Toxicities of the Enantiomers of 2'-Deoxy-3'-oxa-4'-thiocytidine and Their 5-Fluoro Analogues in Vitro," <i>J. Med. Chem.</i> , 38(1):1-4 (January 6, 1995). | |
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| | JJ | MITSUYA, H., <i>et al.</i> , "Rapid in Vitro Systems for Assessing Activity of Agents Against HTLV-III/LAV," <i>AIDS: Modern Concepts and Therapeutic Challenges</i> , S. Broder, Ed. Marcel-Dekker, New York (1987), pp. 303-333 (Chapter 18). | |
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| <i>JK</i> | LA | SCHINAZI, R.F., <i>et al.</i> , "Activities of the Four Optical Isomers of 2',3'-Dideoxy-3'-Thiacytidine (BCH-189) against Human Immunodeficiency Virus Type 1 in Human Lymphocytes," <i>Antimicrobial Agents and Chemotherapy</i> , 36(3):672-676 (March 1992). | |
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| AA | MA | STORER, R., <i>et al.</i> , "The Resolution and Absolute Stereochemistry of the Enantiomeris of cis-1-[2-(Hydromethyl)-1,3-Oxathiolan-5-yl]cytosine (BCH189): Equipotent Anti-HIV Agents," <i>Nucleosides & Nucleotides</i> , 12(2):225-236 (1993). | |
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|---------------------|-----------------------|--|--------|
| <i>JRC</i> | NA | YOKOTA <i>et al.</i> , "Comparative Activities of Several Nucleoside Analogs Against Duck Hepatitis B Virus In Vitro," <i>Antimicrobial Agents and Chemotherapy</i> , 34(7):1326-1330 (July 1990). | |
| <i>JRC</i> | NB | ZHU, Zhou, <i>et al.</i> , "Cellular Metabolism of 3'-Azido-2',3'-Dideoxyuridine with Formation of 5'-O-Diphosphhexase Derivatives by Previously Unrecognized Metabolic Pathways of 2'-Deoxyuridine Analogs," <i>Molecular Pharmacology</i> , 38:929-938 (1990). | |

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| Examiner Signature | L. E. Crane <i>[Signature]</i> | Date Considered | 01/02/2008 - |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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